

# Evangelos Lamprou

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**Education**

*Ph.D. in Computer Science* August 2025 - Present  
Brown University  
Advisor: Nikos Vasilakis

*Diploma in Electrical and Computer Engineering* Oct. 2018 - July 2023  
University of Patras  
Advisor: Christos Fidas

**Experience**

*Embedded Software Engineer (Part Time)* September 2023 - August 2024  
Demant A/S Copenhagen Capital Region, Denmark

- Developed a clang-query-based static analysis tool, discovered and fixed 100+ bugs, including a major defect in the company's charger firmware.
- Implemented a framework for hardware error handling over the company's entire accessory codebase (over 600k lines of driver code and in-house operating system).

*Teaching Assistant* September 2023 - December 2023  
Technical University of Denmark Copenhagen Capital Region, Denmark  
*Operating Systems* (BSc level, 85 students), Instructor: Xenofon Fafoutis

*Teaching Assistant* September 2022 - Oct. 2023  
University of Patras Patras, Greece  
*Operating Systems* (MSc level, 141 students), Supervisor: Christos Fidas

- Created assignments on developing **Linux Kernel Modules** and experimenting with the **xv6 Kernel**. Exercises have been integrated into the course's curriculum. [\[material\]](#)

*Software Engineer (Erasmus+ Placement)* June 2022 - August 2022  
Bionos Biotech S.L Valencia, Spain

- Developed a parallelized data pipeline using Python, Selenium, and Bash to extract and group species by metabolite profiles for cosmetic applications.
- Automated gene expression analysis by building two tools in R and Python, replacing the lab researcher's manual processing workflows. Setup remote maintainance.

## Publications

### Peer-reviewed Conference Publications

- P1. **Lamprou, E.**, Williams, E., Kaoukis, G., Zhang, Z., Greenberg, M., Kallas, K., Lazarek, L., Vasilakis, N., "The Koala Benchmarks for the Shell: Characterization and Implications". In: USENIX ATC '25. **Best Paper Award**. 2025
- P2. **Lamprou, E.**, Fidas, C., "Investigating Applicability Heuristics of Answer Set Programming in Game Development: Use Cases and Empirical Study". In: ACM CHI Greece 2023. 2023

### Peer-reviewed Workshop Publications

- W1. Lazarek, L., Jung, S.-H., **Lamprou, E.**, Li, Z., Narsipur, A., Zhao, E., Greenberg, M., Kallas, K., Mamouras, K., Vasilakis, N., "From Ahead-of- to Just-in-Time and Back Again: Static Analysis for Unix Shell Programs". In: HotOS '25. 2025

	W2. <b>Lamprou, E.</b> , Kalhauge, C. G., Rinard, M., Vasilakis, N., “Guarding LLM-aided Software Transformation Tasks via Component Exoskeletons”. In: PACMI '25. 2025		
<b>Service</b>	18th European Workshop on Systems Security (EuroSec 2025) Publicity & Web co-chair		2025
	17th European Workshop on Systems Security (EuroSec 2024) Web & publication co-chair		2024
<b>Honors &amp; Awards</b>	USENIX ATC'25 Best Paper Award		July 2025
	USENIX ATC'25 Student Grant		July 2025
	<a href="#">Urbis Assembly Hackathon</a> Honorable Mention		Nov. 2023
	Huawuei “Seeds for the Future” Scholarship Awarded for academic excellence and contribution to the ECE department, UoP.		June 2023
	NAM Lab IoT Hackathon Participated solo in <a href="#">NAM</a> Lab’s first IoT Hackathon – 1st Place.		May 2023
	IEEE Xtreme 16.0 Competition Placed globally at the top 4% among 6373 teams. Team name: “notWizards”.		Oct. 2022
<b>Volunteering</b>	IEEE Student Branch Patras, Greece Computer Society Chapter Chair & Scientific Group Coordinator (151 total members)		Oct. 2021 - June 2023
	<ul style="list-style-type: none"> <li>• Hosted 26 sessions on CS topics; supported members’ technical projects. <a href="#">[material]</a></li> <li>• Organized an instance of the IEEEExtreme competition and two industry-facing <a href="#">events</a>.</li> <li>• Received the <i>IEEE Exemplary Student Branch Award</i> for the 2022-2023 academic year.</li> </ul>		
	<a href="#">Radio KoL</a> Radio Host & DJ		May 2016 - September 2017
<b>Languages</b>	English (fluent), Greek (native), German (intermediate)		
<b>References</b>	<b>Prof. Nikos Vasilakis</b> CS Department Brown University Providence, RI, USA nikos@vasilak.is	<b>Prof. Konstantinos Kallas</b> CS Department UCLA Los Angeles, CA, USA kkallas@ucla.edu	<b>Prof. Christos Fidas</b> ECE Department University of Patras Rion-Patras, Greece fidas@upatras.gr

*Last updated: September 4, 2025*